



PARAGON 3000 EXTREME

THE ONE GREASE SOLUTION

◆ **Multi-Seasonal Synthetic Grease**

Paragon 3000 has long been the best value in grease in North America. However, as good as Paragon 3000 has been, we always felt there was room for improvement. Paragon 3000 EXTREME is the improvement and might very well be the best value in grease found anywhere in the world. We blended Paragon 3000 EXTREME with full-synthetic base oils, and when combined with our remarkable chemistry, another new revolutionary product was developed! Because of the blending of these two elements, Paragon 3000 EXTREME has no shortcomings.

◆ **Paragon 3000 EXTREME Offers Improved ASTM Testing Results**

Our Paragon 3000 Grease has long been a standard of excellence among EP greases. Paragon 3000 EXTREME has raised the bar even further. By using synthetic base oils in our formulation ASTM test results improved in several areas. Compared to our traditional Paragon 3000, Paragon 3000 EXTREME has a water washout of .59%, a 9% improvement. It also has an improved Dropping Point of 655°F compared to 630°F, and an exceptional Low Temp Torque Test Result of 1.14Nm at -40°F and 0.42Nm at -22°F!

◆ **Paragon 3000 EXTREME Offers Outstanding Extreme Pressure**

Paragon 3000 Extreme continues the TRC tradition of manufacturing grease with an industry best 100LB Timken OK Load. Like our Paragon 3000 sold for decades, Paragon 3000 EXTREME will not pound out or squeeze out of the equipment's grease points. Its tenacious ability to cling to itself, as well to metal surfaces, allows it to provide protection under extreme conditions when other greases fall short. Using its strong adhesive and cohesive properties, we designed Paragon 3000 EXTREME to provide ultimate wear protection and advanced performance under adverse conditions.

◆ **Paragon 3000 EXTREME Offers Superior Pumpability**

Northern climates can face tough winter weather forcing business owners to continue working in less-than-ideal situations. In harsh conditions, Paragon 3000 EXTREME will provide peace of mind to equipment operators and operational managers, as it provides the same level of performance, protection, and pumpability in temperatures down to -40°F. In the Summer, these climates can receive very warm weather. Paragon 3000 Extreme remains stable and provides needed lubrication without fear of thinning. Winter or Summer, from -40°F to 40°F, Paragon 3000 EXTREME is ready to work when you are.

We do recommend caution when using automatic lubrication systems in wintry weather. Paragon 3000 EXTREME is a #2 synthetic grease and not all automatic lubrication systems are designed to pump a #2 grease.



◆ **Paragon 3000 EXTREME**
Offers Unmatched Versatility

With a low operating temperature range of -40°F, and a dropping point of 655°F, Paragon 3000 EXTREME provides unmatched versatility. Paragon 3000 EXTREME can go from the freezer to the oven, making it the perfect grease for manufacturing facilities, steel mills, snowplows, outside pump drives, excavation equipment, mining equipment, drilling equipment, water treatment facilities, logging equipment, quarries, feed mills, and marine equipment. The operating temperatures of Paragon 3000 EXTREME gives this grease the flexibility to go anywhere you want it to. When an operation absolutely, positively cannot suffer a halt in production, this is where Paragon 3000 EXTREME shines most.

PARAGON 3000 EXTREME SPECIFICATIONS

Product Code		108501
NLGI Consistency	Test Method	No. 2 Grade
Penetration: Worked 60 Stroke Control Range	(ASTM D217-52T)	265-295
Extreme Pressure by Timken OK Load Passing At	(ASTM D-2509)	100 pounds Minimum
Color		Blue
Texture		Stringy
Water Resistance		Excellent
Water Washout @174°F	(ASTM D-1264)	0.59%
Dropping Point, °F/°C	(ASTM D-2265)	655°F/346°C Typical
Combination	(ASTM D128-57)	
% Soap		10.0 Maximum
% Filler		Trace
% Water		Trace
Stability by Penetration (typical) after 60 worked strokes	(ASTM D217-52T)	282
Stability by Penetration (typical) after 10,000 worked strokes	(ASTM D217-52T)	280
Stability by Penetration (typical) after 100,000 worked strokes	(ASTM D217-52T)	274
Unit Load, PSI		29,000
4 Ball EP Test	(ASTM D-2596)	315 kg Weld Point
4 Ball Wear Test	(ASTM D-2266)	.33 mm Scar Diameter
Low Temp Torque Test @ -22°F	(ASTM D-1478)	.42 Nm
Low Temp Torque Test @ -40°F	(ASTM D-1478)	1.14 Nm
Automotive Wheel Bearing by Leakage Tendencies	(ASTM D-1263-52T)	Pass No Leakage, No Varnish
Consistency at Various Temperature by Unworked Penetration	(ASTM D217-52T)	
@ 0°F.		190-210
@ 77°F.		265-295
@ 100°F.		280-300
Maximum Recommended Operating Temperature		575°F/302°C
Oil Separation	(ASTM D-1742)	0.00%
Oxidation of Grease by Bomb Test Drop	(ASTM D942)	Less than 1 PSI pressure drop for 500 hours

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

PARAGON 3000® EXTREME is a registered trademark of Texas Refinery Corp

NSF Registration Category Code: H2

TEXAS REFINERY CORP

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